

1.

```
CREATE TABLE CLIENTS (Ncli SHORT PRIMARY KEY, Ncin TEXT(10), Nom TEXT(30),  
Prénom TEXT(30), Civilité TEXT(14), Dat_n DATE, Cp TEXT(6), Ville TEXT(25);
```

```
CREATE TABLE REPAS (Nrepas SHORT PRIMARY KEY, Ncli SHORT, Date_repas DATE,  
Nbre_repas BYTE, Addition MONEY);
```

```
CREATE TABLE FIDELIOS (Nfidelio COUNTER, Ncli SHORT, Nrepas SHORT, Nbre_pts  
SHORT, PRIMARY KEY (Nfidelio, Ncli, Nrepas));
```

2.

```
ALTER TABLE REPAS ADD CONSTRAINT Andalous1 FOREIGN KEY (Ncli)  
REFERENCES CLIENTS (Ncli);
```

```
ALTER TABLE FIDELIOS ADD CONSTRAINT Andalous2 FOREIGN KEY (Ncli)  
REFERENCES CLIENTS (Ncli);
```

3

```
INSERT INTO CLIENTS VALUES (1, "D11000", "EL FOUGANI", "Raouia",  
"Madame", #10/08/1987#, "90000", "Tanger");
```

```
INSERT INTO CLIENTS VALUES (2, "KA 10000", "DHIBA", "Youssef",  
"Monsieur", #25/02/1969#, "90050", "Asilah");
```

```
INSERT INTO CLIENTS VALUES (3, "C 25000", "BENCHARKI", "Amal",  
"Mademoiselle", #10/10/1990#, "11100", "Salé");
```

4

```
UPDATE CLIENTS SET Ncin="KA11000", Cp="90050", Ville="Tanger"  
WHERE Ncli=1;
```

5

```
DELETE * FROM CLIENTS  
WHERE Nom="BENCHARKI";
```

7

```
ALTER TABLE CLIENTS DROP COLUMN Civilité;
```

8

```
SELECT Ncin, Nom, Prénom, Dat_n FROM CLIENTS  
WHERE (date() - Dat_n) / 365 >= 40;
```

9

```
SELECT Ncli, Ncin, Nom, Prénom FROM CLIENTS  
WHERE Ncin LIKE "**A**";
```

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```
SELECT CLIENTS.Ncli, Ncin, Nom, Prénom, SUM (Nbre_pts) AS [Cumul des points Fidelio]
FROM CLIENTS INNER JOIN FIDELIOS ON CLIENTS.Ncli=FIDELIOS.Ncli
Group by CLIENTS.Ncli, Ncin, Nom, Prénom
HAVING SUM (Nbre_pts)>1500;
```

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```
SELECT REPAS.Ncli, Month(Date_repas) as [Mois] , COUNT (REPAS.Ncli) AS [Nombre de
visites]
FROM REPAS
WHERE YEAR(Date_repas)= Year(Date())-1
Group by REPAS.Ncli, Month (Date_repas);
```

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```
SELECT Month(Date_repas) AS [Mois], Year(date())-1 As [Année dernière], SUM(Addition)
AS [Chiffre d'affaires]
FROM REPAS
WHERE Year(Date_repas)= Year(date())-1
Group by Month(Date_repas)
HAVing Month(Date_repas)=7;
```

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```
SELECT COUNT(Ncli) AS [Nombre de clients qui ont visité le restau l'année dernière]
FROM
(SELECT DISTINCT Ncli FROM REPAS
WHERE Year(Date_repas)= Year(date())-1);
```